L Number	Hits	Search Text	DB	Time stamp
2	1211	702/118,119,117,81,82,87,84.ccls.	USPAT; US-PGPUB	2004/01/07 12:39
3	1172	700/224,226,116,95,109,115,117.ccls.	USPAT; US-PGPUB	2004/01/07 12:40
4	2557	438/5,10,14,16,17.ccls.	USPAT; US-PGPUB	2004/01/07 12:40
5	470	209/573,571.ccls.	USPAT; US-PGPUB	2004/01/07 12:40
6	5249	702/118,119,117,81,82,87,84.ccls. or 700/224,226,116,95,109,115,117.ccls. or 438/5,10,14,16,17.ccls. or 209/573,571.ccls.	USPAT; US-PGPUB	2004/01/07 12:40

C:\APPS\east\workspaces\default1.wsp

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4255851 76
6096567 73
5840614 73
6342789 73
5976899 73
5994915 73
6118138 73
```

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Report

6292009 73
6424168 73

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10600148 on December 31, 2003

Original Classifications
```
10   209/573
 7   700/121
 6   324/758
 4   324/765
 4   382/145
 4   702/118
 4   714/724
 2   438/14
```

Cross-Reference Classifications
```
13   257/E23.179
13   324/765
10   209/571
 9   700/116
 7   324/158.1
 6   257/E23.004
 5   257/E21.512
 5   257/E21.525
 5   438/14
 5   700/224
 5   702/187
 5   702/82
 4   324/755
 4   700/226
 4   702/117
 3   324/758
 3   324/763
 3   438/17
 3   714/704
 2   209/583
 2   324/704
 2   700/108
 2   700/109
 2   700/117
 2   700/215
 2   702/118
```

Combined Classifications
```
17   324/765
13   257/E23.179
11   209/573
10   209/571
 9   324/758
```

```
9   700/116
8   700/121
7   324/158.1
7   438/14
6   257/E23.004
6   702/118
5   257/E21.512
5   257/E21.525
5   324/755
5   382/145
5   700/224
5   702/187
5   702/82
4   700/226
4   702/117
4   714/704
4   714/724
3   324/763
3   438/17
2   209/583
2   324/704
2   324/760
2   700/108
2   700/109
2   700/117
2   700/215
```

10600148_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returne
d
From A Search of 10600148 on December 31, 2003

```
17  324/765        (4 OR, 13 XR)
        Class   324 :  ELECTRICITY:  MEASURING AND TESTING
        324/500         FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
                            ELECTRIC COMPONENTS
        324/537         .Of individual circuit component or element
        324/765         ..Test of semiconductor device

13  257/E23.179    (0 OR, 13 XR)
        Class   257 :  ACTIVE SOLID-STATE DEVICES
        257/E23.176   ...For flat cards, e.g.,  credit cards (EPO)
        257/E23.179   .Marks applied to semiconductor devices or
                          parts, e.g., registration marks, test patte
rns, alignment
                          structures, wafer maps (EPO)

11  209/573        (10 OR, 1 XR)
        Class   209 :  CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

        209/509         SORTING SPECIAL ITEMS, AND CERTAIN METHODS AND
                            APPARATUS (E.G., POCKET TYPE AND LIGHT R
ESPONSIVE SORTING,
                            ETC.) FOR SORTING ANY ITEMS
        209/552         .Condition responsive means controls separatin
g
                            means
        209/571         ..Electrical test sensing property of item
        209/573         ...Electrical component tested

10  209/571        (0 OR, 10 XR)
        Class   209 :  CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

        209/509         SORTING SPECIAL ITEMS, AND CERTAIN METHODS AND
                            APPARATUS (E.G., POCKET TYPE AND LIGHT RE
SPONSIVE SORTING,
                            ETC.) FOR SORTING ANY ITEMS
        209/552         .Condition responsive means controls separatin
g
                            means
        209/571         ..Electrical test sensing property of item

 9  324/758        (6 OR, 3 XR)
        Class   324 :  ELECTRICITY:  MEASURING AND TESTING
        324/500         FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
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ELECTRIC COMPONENTS

ELECTRIC COMPONENTS

```
        324/537        .Of individual circuit component or element
        324/754        ..With probe elements
        324/758        ...Probe alignment or positioning

    9   700/116        (0 OR,  9 XR)
            Class   700 :   DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                                SPECIFIC APPLICATIONS
            700/90         SPECIFIC APPLICATION, APPARATUS OR PROCESS
            700/95         .Product assembly or manufacturing
            700/115        ..Product tracking (e.g., having product or
                                carrier identification)
            700/116        ...Having identification controlled
                                manufacturing operation

    8   700/121        (7 OR,  1 XR)
            Class   700 :   DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                                SPECIFIC APPLICATIONS
            700/90         SPECIFIC APPLICATION, APPARATUS OR PROCESS
            700/95         .Product assembly or manufacturing
            700/117        ..Particular manufactured product or operation

            700/121        ...Integrated circuit production or
                                semiconductor fabrication

    7   324/158.1      (0 OR,  7 XR)
            Class   324 :   ELECTRICITY:  MEASURING AND TESTING
            324/158.1      MISCELLANEOUS

    7   438/14         (2 OR,  5 XR)
            Class   438 :   SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

            438/14         WITH MEASURING OR TESTING

    6   257/E23.004    (0 OR,  6 XR)
            Class   257 :   ACTIVE SOLID-STATE DEVICES
            257/E23.001    PACKAGING, INTERCONNECTS, AND MARKINGS FOR
                                SEMICONDUCTOR OR OTHER SOLID-STATE DEVICE
S (EPO)
            257/E23.003    .Mountings, e.g., nondetachable insulating
                                substrates (EPO)
            257/E23.004    ..Characterized by shape (EPO)

    6   702/118        (4 OR,  2 XR)
            Class   702 :   DATA PROCESSING: MEASURING, CALIBRATING, OR
                                TESTING
            702/108        TESTING SYSTEM
            702/117        .Of circuit
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            702/118      ..Testing multiple circuits

   5  257/E21.512   (0 OR, 5 XR)
           Class   257 :  ACTIVE SOLID-STATE DEVICES
           257/E21.001   PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE

                          OR TREATMENT OF SEMICONDUCTOR OR SOL
ID-STATE DEVICES OR OF
                          PARTS THEREOF (EPO)
           257/E21.002   .Manufacture or treatment of semiconductor
                          device (EPO)
           257/E21.04    ..Device having at least one potential-jump
                          barrier or surface barrier, e.g., PN j
unction, depletion
                          layer, carrier concentration layer (EP
O)
           257/E21.499   ...Assembling semiconductor devices, e.g.,
                          packaging , including mounting, encapsu
lating, or treatment
                          of packaged semiconductor (EPO)
           257/E21.506   ....Attaching or detaching leads or other
                          conductive members, to be used for carry
ing current to or
                          from  device in operation (EPO)
           257/E21.509   .....Involving soldering  or alloying process,
                          e.g., soldering wires (EPO)
           257/E21.511   ......Mounting on insulating member provided
                          with metallic leads, e.g., flip-chip mount
ing, conductive
                          die mounting (EPO)
           257/E21.512   .......Right-up bonding (EPO)

   5  257/E21.525   (0 OR, 5 XR)
           Class   257 :  ACTIVE SOLID-STATE DEVICES
           257/E21.515   .....Involving use of mechanical auxiliary par
t
                          without  use of alloying or soldering pro
cess, e.g.,
                          pressure contacts (EPO)
           257/E21.521   .Testing or measuring during manufacture or
                          treatment or reliability measurement, i.e.
, testing of
                          parts followed by no processing which modi
fies  parts as
                          such (EPO)
           257/E21.525   ..Procedures, i.e., sequence of activities
                          consisting of  plurality of measurement and
correction,
```

5 324/755   (1 OR, 4 XR)
         Class 324 : ELECTRICITY: MEASURING AND TESTING
         324/500   FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
                            ELECTRIC COMPONENTS
         324/537   .Of individual circuit component or element
         324/754   ..With probe elements
         324/755   ...Internal of or on support for device under
                            test (DUT)

5 382/145   (4 OR, 1 XR)
         Class 382 : IMAGE ANALYSIS
         382/100   APPLICATIONS
         382/141   .Manufacturing or product inspection
         382/145   ..Inspection of semiconductor device or printe
d
                         circuit board

5 700/224   (0 OR, 5 XR)
         Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
                            SPECIFIC APPLICATIONS
         700/90   SPECIFIC APPLICATION, APPARATUS OR PROCESS
         700/213   .Article handling
         700/219   ..Associating or disassociating plural article
s

         700/223   ...Collating or sorting
         700/224   ....Having an identification code

5 702/187   (0 OR, 5 XR)
         Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
                            TESTING
         702/127   MEASUREMENT SYSTEM
         702/187   .History logging or time stamping

5 702/82   (0 OR, 5 XR)
         Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
                            TESTING
         702/1   MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
         702/81   .Quality evaluation
         702/82   ..Having judging means (e.g., accept/reject)

4 700/226   (0 OR, 4 XR)
         Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
                            SPECIFIC APPLICATIONS
         700/90   SPECIFIC APPLICATION, APPARATUS OR PROCESS
         700/213   .Article handling

```
                            10600148_CLSTITLES
        700/225          ..Having an identification code
        700/226          ...Identification code determines article
                            destination

  4  702/117       (0 OR, 4 XR)
        Class   702 :   DATA PROCESSING: MEASURING, CALIBRATING, OR
                            TESTING
        702/108          TESTING SYSTEM
        702/117          .Of circuit

  4  714/704       (1 OR, 3 XR)
        Class   714 :   ERROR DETECTION/CORRECTION AND FAULT
                            DETECTION/RECOVERY
        714/699          PULSE OR DATA ERROR HANDLING
        714/704          .Error count or rate

  4  714/724       (4 OR, 0 XR)
        Class   714 :   ERROR DETECTION/CORRECTION AND FAULT
                            DETECTION/RECOVERY
        714/699          PULSE OR DATA ERROR HANDLING
        714/724          .Digital logic testing

  3  324/763       (0 OR, 3 XR)
        Class   324 :   ELECTRICITY:  MEASURING AND TESTING
        324/500          FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
                            ELECTRIC COMPONENTS
        324/537          .Of individual circuit component or element
        324/763          ..DUT including test circuit

  3  438/17        (0 OR, 3 XR)
        Class   438 :   SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

        438/14           WITH MEASURING OR TESTING
        438/17           .Electrical characteristic sensed

  2  209/583       (0 OR, 2 XR)
        Class   209 :   CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS

        209/509          SORTING SPECIAL ITEMS, AND CERTAIN METHODS AND
                            APPARATUS (E.G., POCKET TYPE AND LIGHT
RESPONSIVE SORTING,
                            ETC.) FOR SORTING ANY ITEMS
        209/552          .Condition responsive means controls separatin
g
                         means
        209/576          ..Sensing radiant energy reflected, absorbed,
                            emitted, or obstructed by item or adjunct
    thereof
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        209/577      ...Infrared, visible light, or ultraviolet
        209/583      ....Reading indicia

  2  324/704      (0 OR, 2 XR)
        Class   324 :  ELECTRICITY:  MEASURING AND TESTING
        324/600         IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
                            REPRESENTATIVE OF ELECTRICAL STIMULUS/RE

SPONSE
                            RELATIONSHIPS
        324/649         .Lumped type parameters
        324/691         ..Using resistance or conductance measurement

        324/704         ...With ratio determination

  2  324/760      (1 OR, 1 XR)
        Class   324 :  ELECTRICITY:  MEASURING AND TESTING
        324/500         FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
                            ELECTRIC COMPONENTS
        324/537         .Of individual circuit component or element
        324/754         ..With probe elements
        324/760         ...With temperature control

  2  700/108      (0 OR, 2 XR)
        Class   700 :  DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                            SPECIFIC APPLICATIONS
        700/90          SPECIFIC APPLICATION, APPARATUS OR PROCESS
        700/95          .Product assembly or manufacturing
        700/108         ..Performance monitoring

  2  700/109      (0 OR, 2 XR)
        Class   700 :  DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                            SPECIFIC APPLICATIONS
        700/90          SPECIFIC APPLICATION, APPARATUS OR PROCESS
        700/95          .Product assembly or manufacturing
        700/108         ..Performance monitoring
        700/109         ...Quality control

  2  700/117      (0 OR, 2 XR)
        Class   700 :  DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                            SPECIFIC APPLICATIONS
        700/90          SPECIFIC APPLICATION, APPARATUS OR PROCESS
        700/95          .Product assembly or manufacturing
        700/117         ..Particular manufactured product or operation

  2  700/215      (0 OR, 2 XR)
        Class   700 :  DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                            SPECIFIC APPLICATIONS
```

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                         10600148_CLSTITLES
700/90          SPECIFIC APPLICATION, APPARATUS OR PROCESS
700/213         .Article handling
700/214         ..Article storing, retrieval, or arrangement
                    (e.g., warehousing, automated library)
700/215         ...Having an identification code
```